

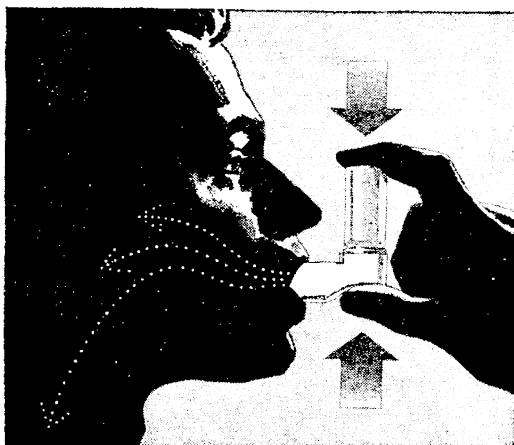
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in briefest time

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automatically controlled dosage by aerosol administration



**22½% more vital capacity within seconds**

The suspension of premicronized dry particles assures maximum delivery of the medication to the alveolar spaces where the therapeutic effect is exerted. The Medihaler suspension affords 5 times the bronchodilating power of the same medication in solution and approximately 20 times that of a squeeze bulb nebulizer.

Medihaler is available with either of the two outstanding bronchodilating agents:

**Medihaler-ISO<sup>®</sup>** (isoproterenol)

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***NEW!** 30 cc size vial  
for office or home*



Northridge, California

# analexin<sup>®</sup> phenylramidol HCl relieves the total pain experience anytime



**for relief of traumatic pain** Analexin's unique therapeutic action—a combination of analgesia and muscle relaxation—has produced safe and effective results in alleviating pain associated with a variety of traumatic conditions. In effectiveness, Analexin's analgesic action is within the range of codeine, yet Analexin is non-narcotic and not narcotic related, and there is no evidence suggestive of tolerance or cumulative toxicity.<sup>1-8</sup> In fact, Analexin is so safe, that dosages may be hourly if necessary, depending on the degree of relief required.

When you prescribe Analexin for traumatic pain, the clinical evidence of its efficacy stands behind your decision. What better reason for reserving a place for Analexin in your armamentarium?

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**Analexin<sup>®</sup>—for relief of pain.** Each tablet contains 200 mg. phenylramidol HCl. *Dosage:* Generally, 2 tablets at onset of pain, followed by 1 or 2 tablets at intervals of 1 to 4 hours, as needed.

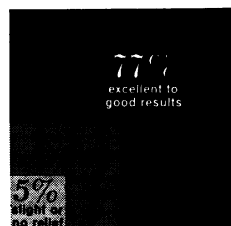
**Analexin-AF<sup>®</sup>—for relief of pain complicated by inflammatory processes.** Each tablet contains 100 mg. phenylramidol HCl and 300 mg. aluminum aspirin. *Dosage:* Generally, 2 tablets at onset of pain, followed by 1 or 2 tablets at intervals of 1 to 4 hours, as needed.

**Analexin<sup>®</sup> Syrup—new convenient dosage form for children and adults.** Each 5 cc. contains phenylramidol salicylate 100 mg. *Dosage:* Children—under 3 yrs., 1 tsp. 3 or 4 times daily; 3-12 yrs., 2 tsp. 3 or 4 times daily. Adults—2 to 4 tsp. every one to 4 hours.

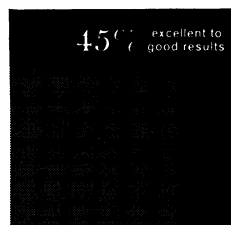
**Neisler** IRWIN, NEISLER & CO., Decatur, Illinois

**Results in occupational and athletic injuries were consistently good.<sup>7</sup>**

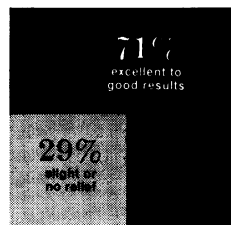
strains, sprains, etc.



fractures, contusions, etc.



miscellaneous\*



\*Including traumatic synovitis, fibrositis, muscle injury and spasm

**Acts within minutes**—KOAGAMIN, unlike other hemostatic agents, acts *quickly* in *minimal* dosages. Working on the late phases of the clotting mechanism, KOAGAMIN does not require massive and prolonged pre- or postoperative dosages to control capillary and venous bleeding.

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**Acts effectively in a broad range of indications**—Because of its *unparalleled safety* and *outstanding effectiveness*, KOAGAMIN has been successfully employed in...hemorrhagic diseases, abnormal bleeding, blood disorders, surgical cases and trauma.

KOAGAMIN, an aqueous solution of oxalic (5 mg. per cc.) and malonic (2.5 mg. per cc.) acids for parenteral use, is supplied in 10-cc. diaphragm-stoppered vials.

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# **KOAGAMIN<sup>®</sup>** **controls** **bleeding** **with** **minimal** **dosage and** **maximum** **safety** (parenteral hemostat)

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**Clinically Proven**  
in more than 750 published clinical studies  
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for the tense and  
nervous patient



- 1 simple dosage schedule relieves anxiety dependably — without the unknown dangers of “new and different” drugs
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- 4 does not produce depression, Parkinson-like symptoms, jaundice or agranulocytosis
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**Supplied:** 400 mg. scored tablets, 200 mg. sugar-coated tablets; bottles of 50. Also as MEPROTABS®—400 mg. unmarked, coated tablets; and in sustained-release capsules as MEPROSPAN®-400 and MEPROSPAN®-200 (containing respectively 400 mg. and 200 mg. meprobamate).

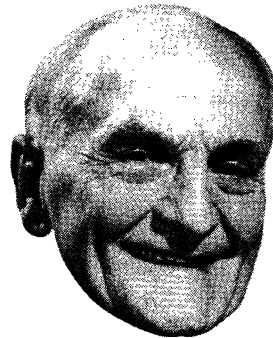
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for mother  
for grandpa**

**all age groups**



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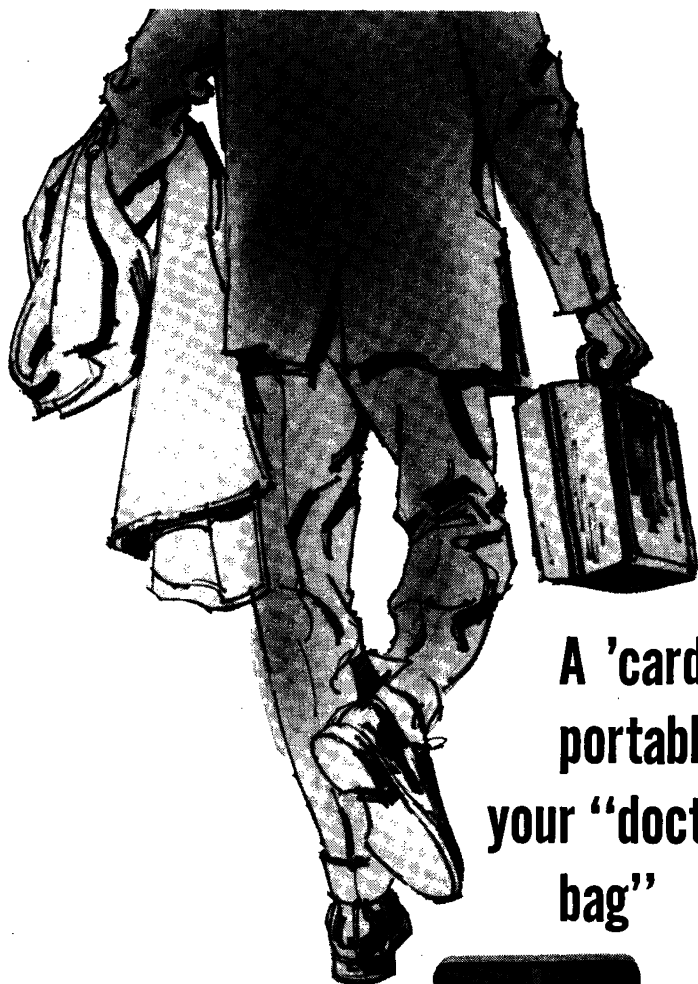
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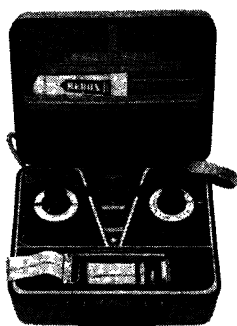
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POVAN provides a simplified and clinically proved means of bringing a common medical problem under control. Through its unusual ability to clear most cases of pinworm infection with just one dose, POVAN permits this problem to be dealt with in a practical manner...preferably on a family or institution-wide basis.

POVAN is well tolerated...readily accepted in both dosage forms...and not appreciably absorbed through the gastrointestinal tract. Its single-dose efficacy makes therapy not only convenient, but economical as well.

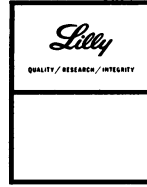
**Supplied:** POVAN is available in suspension or tablet form. The pleasant-tasting, strawberry-flavored suspension is supplied in 2-oz. bottles and the tablets in bottles of 25.



The suspension contains pyrvinium pamoate equivalent to 10 mg. pyrvinium base per cc. The sugar-coated tablets each contain pyrvinium pamoate equivalent to 50 mg. pyrvinium base. **Dosage:** Children and adults, a single oral dose equivalent to 5 mg. per Kg. of body weight. **Precautions:** Infrequent nausea and vomiting and intestinal complaints have been reported. Tablets should be swallowed whole to avoid staining teeth. Will color stools a bright red. Suspension will stain most materials.

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helps detect  
the pregnant  
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**TES-TAPE®**

(urine sugar analysis paper, Lilly)



■ *"I think that the urine of pregnant mothers should be tested for sugar, but done with the oxidase method, not with other methods, since most of them give you total reducing substances."*

Wilkerson, H. L. C.: Pregnancy and Diabetes, Diabetes, 6:523, 1957.

"... fetal mortality in the unrecognized diabetic may be as great as, if not greater than, in the known diabetic."<sup>1</sup> Therefore, it is vital to detect abnormal glycosuria during pregnancy.

Because of its greater sensitivity to glucose, Tes-Tape will reveal instances of abnormal glycosuria previously undetected by copper-reduction methods. Also, since Tes-Tape is specific for glucose, it will not give false positive reactions with lactose, galactose, fructose, or other copper-reducing sugars.

Tes-Tape is supplied in handy pocket-size dispensers of approximately 100 tests.

1. Shlevin, E. L.: Pregnancy and Diabetes, Diabetes, 6:523, 1957.



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The New York Academy of Medicine announces the availability of The Louis Livingston Seaman Fund for the furtherance of research in bacteriology and sanitary science. Four thousand seven hundred and ninety-five dollars is available for assignment in 1961. This Fund was made possible by the terms of the will of the late Dr. Louis Livingston Seaman and is administered by a committee of the Academy under the following conditions and regulations:

1. The Fund will be expended only in grants-in-aid for all or any part of the sum available for investigation, scholarships for or travel related to the furtherance of research in preventive medicine or public health.
2. Preference will be given to applications from medical students, interns, residents and junior faculty members whose project may foster their understanding of research, including the historical perspectives thereof.
3. Geographically, preference will be given to applicants from the New York metropolitan area.
4. Projects for which other major sources of research funds are not applicable will also be given preference.
5. The committee will receive applications either from institutions or individuals up to September 1, 1961.

*Communications should be addressed to:*

Dr. William C. Spring, Jr., Chairman  
The Louis Livingston Seaman Fund  
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# LOMOTIL<sup>®</sup>

(brand of diphenoxylate hydrochloride with atropine sulfate)

- \* lowers motility
- \* **controls diarrhea**

*Lomotil* brings prompt symptomatic control in diarrhea, either acute or chronic.

Both pharmacologic and clinical evidence indicate that *Lomotil* selectively lowers the propulsive component of gastrointestinal motility without relaxing intestinal sphincters. So efficient is this action that studies in mice have shown *Lomotil* to be effectively antidiarrheal in one-eleventh the dosage of morphine.

Such striking antidiarrheal activity strongly suggests that *Lomotil* is the drug of *first* choice for prompt and positive control of diarrhea.

**Dosage:** The recommended initial dosage for adults is two tablets (2.5 mg. each) three or four times daily, reduced to meet the requirements of each patient as soon as the diarrhea is under control. Maintenance dosage may be as low as two tablets daily. *Lomotil* is supplied as unscored, uncoated white tablets of 2.5 mg., each containing 0.025 mg. of atropine sulfate to discourage deliberate overdose. Recommended dosage schedules should not be exceeded.

*An exempt preparation under Federal Narcotic Law.*

Descriptive literature and directions for use available in Physicians' Product Brochure No. 81 from G. D. Searle & Co., P.O. Box 5110, Chicago 80, Illinois.

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*Research in the Service of Medicine*



Carrying on  
congestion-free  
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**NTZ**<sup>®</sup>  
NASAL SPRAY

At the first allergic sneeze, two inhalations from the **NTZ** Nasal Spray act speedily to bring exceptional relief of symptoms. The first spray shrinks the turbinates and enables the patient to breathe through his nose again. The second spray, a few minutes later, opens sinus ostia for essential ventilation and drainage. Excessive rhinorrhea is reduced. **NTZ** is well tolerated and provides safe "inner space" without causing chemical harm to the respiratory tissues.

**NTZ** is a balanced combination of three thoroughly evaluated compounds:

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- **Zephiran® Cl, 1:5000** (antibacterial wetting agent and preservative) to promote spread and penetration of the formula to less accessible nasal areas

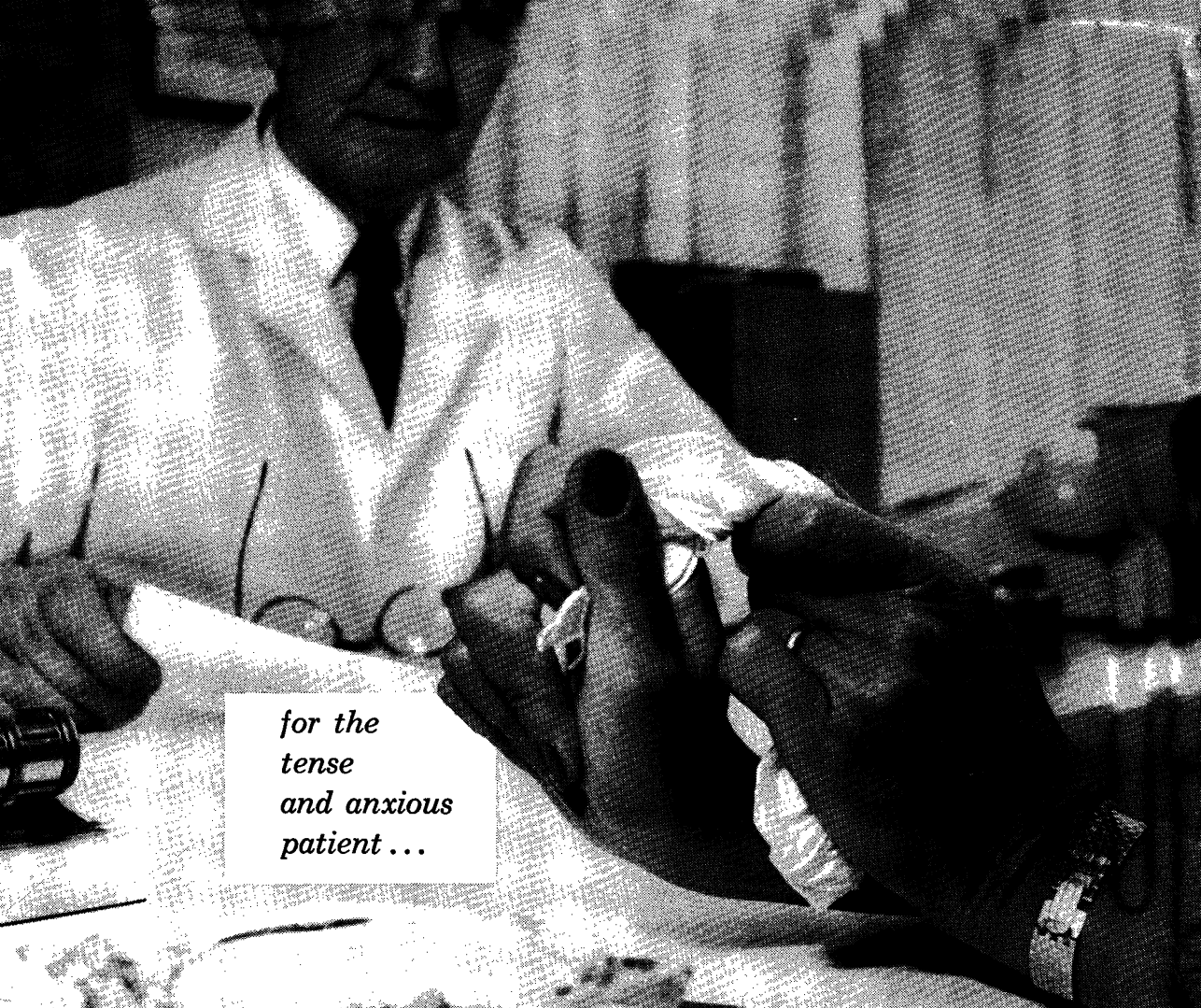
**NTZ** is supplied in leakproof, pocket size, squeeze bottles of 20 cc. and in bottles of 30 cc. with dropper.

**QUICK SYMPTOMATIC RELIEF OF HAY FEVER OR PERENNIAL RHINITIS**

NTZ, Neo-Synephrine (brand of phenylephrine), Thenfadiol (brand of thenyldiamine) and Zephiran (brand of benzalkonium, as chloride, refined), trademarks reg. U. S. Pat. Off

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*for the  
tense  
and anxious  
patient ...*

the only sustained-release tranquilizer  
that does not cause autonomic side reactions

- **SAFE, CONTINUOUS RELIEF** of anxiety and tension for 12 hours with just one capsule—without causing autonomic side reactions and without impairing mental acuity, motor control or normal behavior.
- **ECONOMICAL** for the patient—daily cost is only a dime or so more than for barbiturates.

## **Meprospan<sup>®</sup>-400**

400 mg. meprobamate (Miltown<sup>®</sup>) sustained-release capsules

**Usual dosage:** One capsule at breakfast lasts all day; one capsule with evening meal lasts all night.

**Available:** *Meprospan-400*, each blue-topped capsule contains 400 mg. Miltown (meprobamate). *Meprospan-200*, each yellow-topped capsule contains 200 mg. Miltown (meprobamate). Both potencies in bottles of 30.

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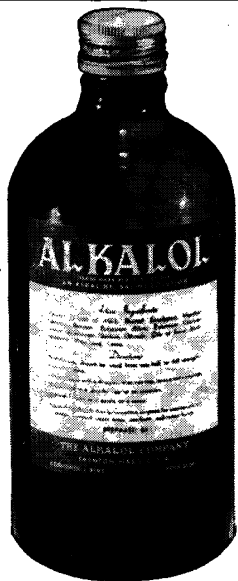
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for mucous membranes,  
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ANTIDEPRESSANT  
WITH EFFECTIVE  
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PROPERTIES...**

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AMITRIPTYLINE HYDROCHLORIDE

**NEW**



**new...a potent  
antidepressant  
with effective  
anti-anxiety  
properties**

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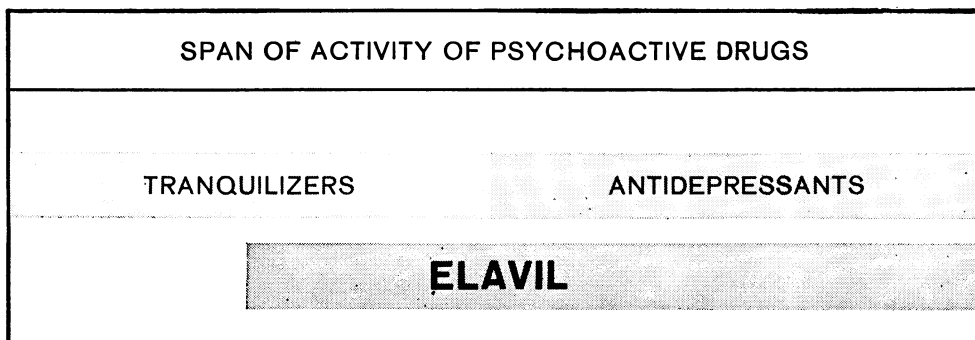
**RELATIVE UTILITY IN MANAGEMENT OF DEPRESSED PATIENTS**

**TARGET SYMPTOMS OF DEPRESSION:**

<i>Class of compounds</i>	<i>Anxiety</i>	<i>Insomnia</i>	<i>Depression</i>	<i>Over-all relief of symptoms</i>
<b>TRANQUILIZERS</b>	<p>"Failure of the tranquilizers to produce satisfactory results is due in many cases to their being prescribed for depression, especially depression masked by the more prominent symptoms of anxiety. The underlying depression may be deepened."<sup>1</sup></p>			<p>+</p> <p>—</p>
<b>ANTIDEPRESSANTS</b>	<p>"CNS stimulants and anti-depressants, if given to anxious patients, will increase the anxiety...."</p>			<p>+</p>
<b>ELAVIL</b>	<p>"... this drug [ELAVIL] acted both as a tranquilizer and as an anti-depressant...."<sup>2</sup> Many physicians customarily treat anxious or depressed patients with a combination of an antidepressant and a tranquilizer. This is seldom necessary when prescribing ELAVIL because it has both antidepressant and anti-anxiety properties.</p>			<p>++</p>

# ELAVIL®

*effective in patients with depression...  
particularly useful in those with predominant symptoms  
of anxiety and tension...provides prompt relief of anxiety  
and insomnia associated with depression*



**INDICATIONS:** Manic-depressive reaction — depressed phase; involutional melancholia; reactive depression; schizoaffective depressions; neurotic depressive reaction; and these target symptoms: anxiety; depressed mood; insomnia; psychomotor retardation; functional somatic complaints; loss of interest; feelings of guilt; anorexia. May be used whether the emotional difficulty is a manifestation of neurosis or psychosis,<sup>4</sup> and in ambulatory or hospitalized patients.<sup>3, 4, 5</sup>

**USUAL ADULT ORAL DOSAGE:** **Initial,** 25 mg. three times a day, until a satisfactory response is noted. Many patients improve rapidly, although some depressed patients may require four to six weeks of therapy before obtaining maximum benefit. In severely depressed patients, as much as 150 mg. per day may be given. **Maintenance,** 25 mg. two to four times a day. Some patients may be maintained on 10 mg. four times a day. The natural course of depression is often many months in duration. Accordingly, it is appropriate to continue maintenance therapy for at least three months after the patient has achieved satisfactory improvement in order to lessen the possibility of relapse, which may occur if the patient's depressive cycle is not complete. In the event of relapse, therapy with ELAVIL may be reinstituted.

ELAVIL is not a monoamine oxidase (MAO) inhibitor. No evidence of drug-induced jaundice or agranulocytosis has been noted. Side effects (drowsiness, dizziness, nausea, excitement, hypotension, fine tremor, jitteriness, headache, heartburn, anorexia, increased perspiration, and skin rash), when they occur, are usually mild. However, as with all new therapeutic agents, careful observation of patients is recommended. As with other drugs possessing significant anticholinergic activity, ELAVIL is contraindicated in patients with glaucoma.

**SUPPLY:** Tablets, 10 mg. and 25 mg., in bottles of 100. **Injection** (intramuscular), 10 mg. per cc., 10-cc. vials.

**REFERENCES:** 1. Perloff, M. M., and Levick, L. J.: *Clinical Med.* 7:2237, Nov. 1960. 2. Freed, H.: *Am. J. Psychiat.* 117:455, Nov. 1960. 3. Dorfman, W.: *Psychosomatics* 1:153, May-June 1960. 4. Ayd, F. J., Jr.: *Psychosomatics* 1:320, Nov.-Dec. 1960. 5. Barsa, J. A., and Saunders, J. C.: *Am. J. Psychiat.* 117:739, Feb. 1961.

Before prescribing or administering ELAVIL, the physician should consult the detailed information on use accompanying the package or available on request.



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in convenient, tasty, liquid form  
to supplement inadequate diets...  
to replace skipped meals*



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a nutritious meal, ready to drink*

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*geriatric patients and others*—who cannot or will not maintain proper nutrition because of poor dentition, faulty eating habits, or lack of interest in eating.<sup>5</sup>

*hospital patients*—Nutrament liquid can serve as an excellent and convenient source of nourishment.

*and in Oral, Dental or Surgical conditions*—which interfere with or prevent consumption of solid food.

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Thiamine, mg. ....	0.5	50	Calcium pantothenate, mg. ....	2
Riboflavin, mg. ....	0.6	50	Sodium, Gm. ....	0.2
Niacinamide, mg. ....	5	50	Potassium, Gm. ....	0.9
Calcium, Gm. ....	0.5	67	Copper, mg. ....	0.5
Phosphorus, Gm. ....	0.4	53	Manganese, mg. ....	1
Iron, mg. ....	4	40	Fiber, Gm. ....	0.55
Iodine, mcg. ....	60	60		

*ingredients:* Whole milk, skim milk, sugar, soy flour, Dextri-Maltose<sup>®</sup> (maltose and dextrins derived from enzymic action of choice barley malt on selected corn flour), starch, chondrus extract, sodium alginate, vitamin A palmitate, calciferol, sodium ascorbate, thiamine hydrochloride, niacinamide, ferrous sulfate, sodium iodide, d-alpha-tocopheryl acetate, pyridoxine hydrochloride, cyanocobalamin, calcium pantothenate, salt, cupric carbonate, manganese sulfate, cocoa and/or imitation vanilla flavor.

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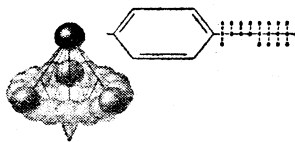
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